



Europäisches Patentamt  
European Patent Office  
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(11) Publication number:

**0 249 188  
A3**

(12)

## EUROPEAN PATENT APPLICATION

(21) Application number: 87108292.1

(51) Int. Cl.4: **C12P 13/04 , //C12N9/10**

(22) Date of filing: 09.06.87

(30) Priority: 09.06.86 JP 131743/86  
23.01.87 JP 12513/87  
30.03.87 JP 74476/87  
25.04.87 JP 101152/87

(43) Date of publication of application:  
16.12.87 Bulletin 87/51

(84) Designated Contracting States:  
**AT BE CH DE ES FR GB IT LI LU NL SE**

(89) Date of deferred publication of the search report:  
25.01.89 Bulletin 89/04

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**EP 0 249 188 A3**

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⑤ Process for the production of L-2-amino-4-(hydroxymethyl-phosphinyl)-butyric acid.

⑤ A new process of producing L-2-amino-4-(hydroxymethylphosphinyl)-butyric acid (L-AMPB) is

now provided, in which 4-(hydroxymethylphosphinyl)-2-oxo-butyric acid

(OMP) is treated with one or more transaminases or with one or more microorganisms capable of producing the transaminase, in the presence of one or more amino-donor compounds such as  $\alpha$ -amino acids. According to this process, the optically active L-AMPB useful as herbicidal agent can be produced efficiently in a facile way for a reasonable reaction time.



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# EUROPEAN SEARCH REPORT

Application Number

EP 87 10 8292

DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int. Cl.4)
A	EP-A-0 068 497 (MEIJI SEIKO KAISHA) * Claims; pages 11,12 * ---	1	C 12 P 13/04 // C 12 N 9/10
A	GB-A-2 161 159 (GRACE) * Claims * ---	1	
A	PATENT ABSTRACTS OF JAPAN, vol. 6, no. 118 (C-111)[996], 2nd July 1982; & JP-A-57 47 485 (MEIJI SEIKA K.K.) 18-03-1982 (Cat. D,A) ---	1	
E	EP-A-0 248 357 (HOECHST) * Claims * -----	1-15	
			TECHNICAL FIELDS SEARCHED (Int. Cl.4)
			C 12 P C 12 M
The present search report has been drawn up for all claims			
Place of search THE HAGUE		Date of completion of the search 02-11-1988	Examiner DELANGHE L. L. M.
<b>CATEGORY OF CITED DOCUMENTS</b>			
X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document		T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons ..... & : member of the same patent family, corresponding document	

EPO FORM 1503 03.82 (P0401)